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|---|---|---|-----------------------------|----------------------|
| <b>Type and level of studies:</b> PhD   |   |   |                             |                      |
| <b>Title of the study program:</b> Statistics   |   |   |                             |                      |
| <b>Subject title:</b> Mathematics D   |   |   |                             |                      |
| <b>Subject code:</b> DMAT   |   |   |                             |                      |
| <b>Number of ECTS:</b> 9  |   |   |                             |                      |
| <b>Subject status (Compulsory / Elective):</b>  |   |   |                             |                      |
| <b>Teacher/s (Name, last name):</b> Branislav Boričić, Mirjana Ilić, Jelena Stanojević  |   |   |                             |                      |
| <b>Number of active teaching lessons:</b>   |   |   |                             | <b>Other lessons</b> |
| <b>Lectures:</b>  | <b>Practice classes:</b>                        | <b>Other forms of teaching:</b>           | <b>Study research work:</b> |                      |
| <b>Prerequisite:</b>  |   |   |                             |                      |
| <b>Subject objective:</b> To enable students to acquire skills in the methods of specific mathematical disciplines, as required for their use in economics-, business- or statistics-based subjects. To prepare students for further scientific investigation and related areas.  |   |   |                             |                      |
| <b>Subject outcome (gained knowledge):</b> This course develops specific mathematical methods and will emphasize their applications to problems in economics, finance, statistics, management and related disciplines, and also demonstrates further applications in scientific work. New specific techniques are also developed, particularly for areas of interest for students, and applications of these techniques are investigated. |   |   |                             |                      |
| <b>Subject content/structure:</b> Selected Chapters of Mathematics  |   |   |                             |                      |
| <b>Teaching methods:</b>  |   |   |                             |                      |
| <b>Grading (maximum number of points 100)</b>   |   |   |                             |                      |
| <b>Pre-examination obligations</b>  | <b>Points</b>                                   | <b>Final exam</b>                         | <b>Points</b>               |                      |
| <b>Activities during lectures</b>   |   | <b>Written exam</b>                       |                             |                      |
| <b>Practice lessons</b>   |   | <b>Oral exam</b>                          |                             |                      |
| <b>Colloquium/a</b>   |   | .....                                     |                             |                      |
| <b>Semester papers</b>  |   |   |                             |                      |
| <b>Literature:</b>  |   |   |                             |                      |
| <b>No.</b>  | <b>Author</b>                                   | <b>Title</b>                              | <b>Publisher</b>            | <b>Year</b>          |
|   | C. P. Simon, L. Blume                           | Mathematics for Economists                | W. W. Norton & Comp.        | 1994                 |
|   | K. Sydaeter, P. Hammond, A. Seierstad, A. Strom | Further Mathematics for Economic Analysis | Prentice Hall               | 2005                 |
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